

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/533,595
Source: IFwo
Date Processed by STIC: 5/1/06

ENTERED



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,595

DATE: 05/01/2006
TIME: 13:01:04

Input Set : A:\15878.seq.txt
Output Set: N:\CRF4\05012006\J533595.raw

3 <110> APPLICANT: Sacktor, Todd Charlton
 4 Crary, John Fonda
 5 Hernandez, Alejandro Ivan
 6 Mirra, Suzanne
 7 Shao, Charles
 9 <120> TITLE OF INVENTION: ATYPICAL PROTEIN KINASE C ISOFORMS IN DISORDERS OF THE
 NERVOUS
 10 SYSTEM AND CANCER
 12 <130> FILE REFERENCE: 15878
 14 <140> CURRENT APPLICATION NUMBER: 10/533,595
 15 <141> CURRENT FILING DATE: 2005-05-02
 17 <150> PRIOR APPLICATION NUMBER: PCT/US2003/035231
 18 <151> PRIOR FILING DATE: 2003-11-03
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 27 <213> ORGANISM: Homo sapiens
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73	ttagagacat	gtgtcgctcg	caccagcagc	acccgctcac	cctcaagtgg	gtggacagcg	360
75	aagtgtaccc	ttgcacgggt	tcctccaga	tggagctgga	agaggcttc	cgcctggccc	420
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83	gcggtcagtg	cagcgagagg	atatggggcc	tcgcgaggca	aggctacagg	tgcataact	660
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89	ttccttccga	ggagacagat	ggaattgttt	acatttcctc	atcccggaa	catgacagca	840
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159	uccugcacau	ccaugccgug	uuuuuaguuuu	ugccucagcu	gcuggcuaca	gcuuccccggg	180
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169	cgaaucuau	uaccggccgg	gagccagaag	auggaggaag	cuguaccug	ccaacggcca	480
171	ccucuuccaa	gccaagcgcu	uuuacaggag	agcguacugc	ggucagugca	gcgagaggau	540
173	auggggccuc	gcgaggcaag	gcuacaggug	caucaacugc	aaacugcugg	uccauaagcg	600
175	cugccacggc	cucgucccg	ugaccuggag	gaagcau	aug gau	ucu guc aug ccu	655
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179	ucc caa gag	ccu cca	gua gac	gac aag	aac gag	gac gcc	703
180	Ser Gln Glu	Pro Pro Val	Asp Asp Lys	Asn Glu Asp	Ala Asp Leu	Asp Pro	
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183	ucc gag gag	aca gau gga	auu gcu	uac auu	ucc uca	ucc cgg aag cau	751
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187	gac agc auu	aaa gac gac	ucg gag	gac cuu	aag cca	guu auc gau ggg	799
188	Asp Ser Ile	Lys Asp Asp	Ser Glu Asp	Leu Lys Pro	Val Ile Asp	Gly	
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192	Met Asp Gly	Ile Lys Ile	Ser Gln	Gly Leu	Gly Leu Gln	Asp Phe Asp	
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195	cua auc aga	guc auc	ggg cgc	ggg agc	uac gcc	aag guu cuc cug gug	895
196	Leu Ile Arg	Val Ile Gly	Arg Gly Ser	Tyr Ala Lys	Val Leu Leu	Val Val	
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199	cgg uug aag	aag aau gac	caa auu uac	gcc aug	aaa gug	gug aag aaa	943
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204	Glu Leu Val	His Asp Asp	Glu Asp Ile	Asp Trp Val	Gln Thr	Glu Lys	
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207	cac gug uuu	gag cag gca	ucc agc aac	ccc uuc	cug guc	gga uua cac	1039
208	His Val Phe	Glu Gln Ala	Ser Ser Asn	Pro Phe	Leu Val	Gly Leu His	
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215	aac ggc ggg	gac cug aug	uuc cac aug	cag agg cag	agg aag	cuc ccu	1135
216	Asn Gly Gly	Asp Leu Met	Phe His Met	Gln Arg Gln	Arg Lys	Leu Pro	
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220	Glu Glu His	Ala Arg Phe	Tyr Ala Ala	Glu Ile Cys	Ile Ala	Leu Asn	
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223	uuc cug cac	gag agg ggg	auc auc uac	agg gac	cug aag	cug gac aac	1231
224	Phe Leu His	Glu Arg Gly	Ile Ile Tyr	Arg Asp Leu	Lys Leu	Asp Asn	
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227	guc cuc cug	gau gcg gac	ggg cac auc	aag cuc	aca gac	uac ggc aug	1279
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232 Cys Lys Glu Gly Leu Gly Pro Gly Asp Thr Thr Ser Thr Phe Cys Gly		
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236 Thr Pro Asn Tyr Ile Ala Pro Glu Ile Leu Arg Gly Glu Glu Tyr Gly		
237 235 240 245		
239 uuc agc gug gac ugg ugg gcg cug gga guc cuc aug uuu gag aug aug	1423	
240 Phe Ser Val Asp Trp Trp Ala Leu Gly Val Leu Met Phe Glu Met Met		
241 250 255 260		
243 gcc ggg cgc ucc ccg uuc gac auc auc acc gac aac ccg gac aug aac	1471	
244 Ala Gly Arg Ser Pro Phe Asp Ile Ile Thr Asp Asn Pro Asp Met Asn		
245 265 270 275		
247 aca gag gac uac cuu uuc caa gug auc cug gag aag ccc auc ccg auc	1519	
248 Thr Glu Asp Tyr Leu Phe Gln Val Ile Leu Glu Lys Pro Ile Arg Ile		
249 280 285 290		
251 ccc ccg uuc cug ucc guc aaa gcc ucc cau guu uua aaa gga uuu uua	1567	
252 Pro Arg Phe Leu Ser Val Lys Ala Ser His Val Leu Lys Gly Phe Leu		
253 295 300 305 310		
255 aau aag gac ccc aaa gag agg cuc ggc ugc ccg cca cag acu gga uuu	1615	
256 Asn Lys Asp Pro Lys Glu Arg Leu Gly Cys Arg Pro Gln Thr Gly Phe		
257 315 320 325		
259 ucu gac auc aag ucc cac gcg uuc uuc cgc agc aua gac ugg gac uug	1663	
260 Ser Asp Ile Lys Ser His Ala Phe Phe Arg Ser Ile Asp Trp Asp Leu		
261 330 335 340		
263 cug gag aag cag gcg cuc cca uuc cag cca cag acu aca gac	1711	
264 Leu Glu Lys Gln Ala Leu Pro Pro Phe Gln Pro Gln Ile Thr Asp		
265 345 350 355		
267 gac uac ggu cug gac aac uuu gac aca cag uuc acc agc gag ccc gug	1759	
268 Asp Tyr Gly Leu Asp Asn Phe Asp Thr Gln Phe Thr Ser Glu Pro Val		
269 360 365 370		
271 cag cug acc cca gac gau gag gau gcc aua aag agg auc gac cag uca	1807	
272 Gln Leu Thr Pro Asp Asp Glu Asp Ala Ile Lys Arg Ile Asp Gln Ser		
273 375 380 385 390		
275 gag uuc gaa ggc uuu gag uau auc aac cca uua uug cug ucc acc gag	1855	
276 Glu Phe Glu Gly Phe Glu Tyr Ile Asn Pro Leu Leu Ser Thr Glu		
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:7; N Pos. 94891,94892,94893,94894,94895,94896,94897,94898,94899,94900
Seq#:7; N Pos. 96509,96510,96511,96512,96513,96514,96515,96516,96517,96518
Seq#:7; N Pos. 96519,96520,96521,96522,96523,96524,96525,96526,96527,96528
Seq#:7; N Pos. 96529,96530,96531,96532,96533,96534,96535,96536,96537,96538
Seq#:7; N Pos. 96539,96540,96541,96542,96543,96544,96545,96546,96547,96548
Seq#:7; N Pos. 96549,96550,96551,96552,96553,96554,96555,96556,96557,96558
Seq#:7; N Pos. 96559,96560,96561,96562,96563,96564,96565,96566,96567,96568
Seq#:7; N Pos. 96569,96570,96571,96572,96573,96574,96575,96576,96577,96578
Seq#:7; N Pos. 96579,96580,96581,96582,96583,96584,96585,96586,96587,96588
Seq#:7; N Pos. 96589,96590,96591,96592,96593,96594,96595,96596,96597,96598
Seq#:7; N Pos. 96599,96600,96601,96602,96603,96604,96605,96606,96607,96608
Seq#:8; Xaa Pos. 2,4,5
Seq#:9; Xaa Pos. 2,4,5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,595

DATE: 05/01/2006

TIME: 13:01:05

Input Set : A:\15878.seq.txt

Output Set: N:\CRF4\05012006\J533595.raw

L:3297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:8220
L:6183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:94800
L:6185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:94860
L:6239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:96480
L:6241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:96540
L:6243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:96600
L:9410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:9432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0